WETLAND DETERMINATION DATA FORM – Great Plains Region

The state of the s	Roy FLE SOE				StateC	Sampi	ing Point. 9000 poc-
Investigator(s):	- de Muls-	-	Section, To	wnship, Ra	ange:	RTOW	Sac. 13
Landform (hillslope, terrace,	etc.): _ Shear chame	<u></u>	Local relief	(concave,	convex, none):	Conave	Slope (%): /-2
Subregion (LRR):	(5	Lat: 79	7268.	1169	_ Long: <u>2089</u> .	561.6042	_ Datum: NAS2
	NA-mitegal ores						
Are climatic / hydrologic cond	ditions on the site typical for th	is time of ye	ar? Yes	∀ No	(If no. expl	ain in Remarks)
	, or Hydrology						
	, or Hydrology						
	NGS – Attach site map						
	esent? Yes 1	With the state of	TO US CONTROL		olim all control	,p	
	Yes			Sampled			
Wetland Hydrology Present	? Yes <u>X</u>	No	with	n a Wetlar	nd? Ye	s N	o_X_
Remarks:	E/ 7 =	11	1 9	- 4		2011 6	
Mugoli	area. Flum inst	allation	- adver	replac	cement in	2011, 51	heabel
recontinual at	project completion	. New n	and a	www.	ares .		
VEGETATION _ LIEA S	cientific names of plan	140		1 KO 1971		The state of the s	
VEOLIATION - 036 3	cientific fiames of plan		Dominant	Indicator	Dominance Tes	é warkahasé.	conditional con
Tree Stratum (Plot size: _			Species?		Number of Dom		
	Assessed to see Alleria				That Are OBL, F	ACW, or FAC	The oldy Pent
2.	o becautelo esobio '				(excluding FAC-	-):	/ (A)
					Total Number of		7
4	Constant Rest Street				Species Across	All Strata:	(B)
Sapling/Shrub Stratum (PI	ot size: ()		= Total Cov	er	Percent of Domi		<i>T</i> 0
	SAAM	41		FACW	That Are OBL, F	ACW, or FAC:	(A/B)
2.			1	FACW	Prevalence Inde	ex worksheet:	man Francisco
					Total % Cov		Multiply by:
					OBL species		, ,
5					FACW species		
Herb Stratum (Plot size:		825.	= Total Cove	er	FAC species FACU species		
1		1,	Y	FXCU	UPL species		(4= 62
2.				FACU			A) <u>79.25</u> (B)
3.				FACU	Column rotals.	(/	(B)
4				FAC	Prevalence	e Index = B/A =	3.30
	94 10 10 10 10 10 10 10 10 10 10 10 10 10		And the second s		Hydrophytic Ve	-	
					1 - Rapid Te		and the second s
					2 - Dominan		
				Migrati terris) ¹
7 8					4 - Morpholo data in R	ogicai Adaptatio emarks or on a	ons ¹ (Provide supporting separate sheet)
7					an and the second second second	The second secon	
7					Problematic	Hydrophytic Ve	egetation (Explain)
7							
7	size:)	15.75	= Total Cove	er		dric soil and we	tland hydrology must
7	size:)	<u> 5.75</u> =	= Total Cove	er —	¹ Indicators of hyd be present, unles	dric soil and we	tland hydrology must
7	size:)	<i> 5.75</i> =	= Total Cove	er,	¹ Indicators of hydbe present, unless Hydrophytic	dric soil and we	tland hydrology must problematic.
7	size:)	<u> 5.75</u> =	= Total Cove	er,	¹ Indicators of hyd be present, unles	dric soil and we	tland hydrology must problematic.
7	size:)	<i> 5,75</i>	= Total Cove	er er	¹ Indicators of hydbe present, unless Hydrophytic	dric soil and we	tland hydrology must problematic.

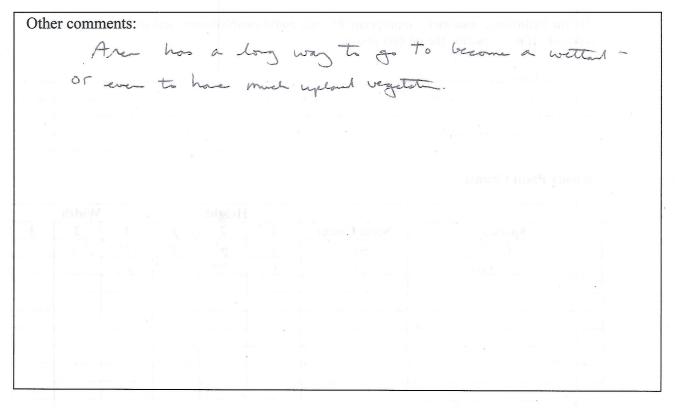
SOIL		Sampling Point: <u>U</u>	JOMPOC.
Profile Description: (Describe to the depti	h needed to document the indicator or conf	irm the absence of indicators.)	AUCAL III
Depth Matrix (inches) Color (moist) %	Redox Features Color (moist) % Type ¹ Loc ²		
			<u> </u>
			g neighbolic
	10 34 . 01 . 30		The discussion
**			the ages We
	<u> </u>		Black o
	Reduced Matrix, CS=Covered or Coated Sand		
Hydric Soil Indicators: (Applicable to all L	THE REAL PROPERTY OF THE PROPE	Indicators for Problematic Hydric So	ils":
Histosol (A1)	Sandy Gleyed Matrix (S4)	1 cm Muck (A9) (LRR I, J)	
Histic Epipedon (A2)	Sandy Redox (S5)	Coast Prairie Redox (A16) (LRR F	, G, H)
Black Histic (A3)	Stripped Matrix (S6)	Dark Surface (S7) (LRR G)	
Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1)	High Plains Depressions (F16)	
Stratified Layers (A5) (LRR F)	Loamy Gleyed Matrix (F2)	(LRR H outside of MLRA 72 &	: 73)
1 cm Muck (A9) (LRR F, G, H) Depleted Below Dark Surface (A11)	Depleted Matrix (F3) Redox Dark Surface (F6)	Reduced Vertic (F18)	
Thick Dark Surface (A12)	Depleted Dark Surface (F7)	Red Parent Material (TF2)Very Shallow Dark Surface (TF12)	
Sandy Mucky Mineral (S1)	Redox Depressions (F8)	✓ Other (Explain in Remarks)	
2.5 cm Mucky Peat or Peat (S2) (LRR G		³ Indicators of hydrophytic vegetation ar	nd
5 cm Mucky Peat or Peat (S3) (LRR F)	(MLRA 72 & 73 of LRR H)	wetland hydrology must be present unless disturbed or problematic.	
Restrictive Layer (if present):		diffess disturbed of problematic.	
Type:		* * * * * * * * * * * * * * * * * * * *	
7.		Hydric Soil Present? Yes	X
Depth (inches):	- Appl		
Remarks: mitigation area w/de	stubed soils. Hydrogente ve	is not ment but wetter my	hologo i
Cannot again hydin soil	studed soils. Hydroplyte ve will deader. Interna month	Conducted - 2013, no soi	1 pits dug.
HYDROLOGY			
Wetland Hydrology Indicators:	7		
Primary Indicators (minimum of one required;	check all that apply)	Secondary Indicators (minimum of tw	vo required)
Surface Water (A1)	Salt Crust (B11)	Surface Soil Cracks (B6)	
High Water Table (A2)	Aquatic Invertebrates (B13)	Sparsely Vegetated Concave Su	urface (B8)
Saturation (A3)	Hydrogen Sulfide Odor (C1)		(=0)
X Water Marks (B1)	Dry-Season Water Table (C2)	Oxidized Rhizospheres on Living	a Roots (C3)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roo		<i>y</i> . (55,5 (55)
Drift Deposits (B3)	(where not tilled)	Crayfish Burrows (C8)	
∠ Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Saturation Visible on Aerial Imag	rery (C9)
Iron Deposits (B5)	Thin Muck Surface (C7)	Geomorphic Position (D2)	jery (OS)
Inundation Visible on Aerial Imagery (B7)		FAC-Neutral Test (D5)	
Water-Stained Leaves (B9)		Frost-Heave Hummocks (D7) (L	DD E
Field Observations:		110st-fleave fluitifflocks (D7) (L	-NN F)
• • • • • • • • • • • • • • • • • • • •	o V Donth (inches):		
	o X Depth (inches):		
	oX_ Depth (inches):	date	
(includes capillary fringe)			No
	itoring well, aerial photos, previous inspection		
Remarks: C.	of spin / Sum 2013.	14 consenture days - 2013.	
Tloved much of ea	5 spm /sum 2013.		

Wetland Qualitative Revegetation Evaluation Form	Form #
Date	
Photographs taken today? Y N taken saulin	
Are desired wetland plant species present? Y	
Are there any issues regarding the establishment of the desired wetland spec	ies? Explain, if so.
restarted wetland very most of what is	gon por
	1
Are the hydrologic conditions appropriate for successful establishment and swetland. If not, describe the problem/issue.	ustainability of the
Area is very day.	
Woody Plant Counts	

		Height			Width		
Species	Stem Count	1	2	3	1	2	3
AMFRI	40	31	4'	3'	1'	1.51	11
SAAMI	2	11	8"		11	11	
e .							
		ř.					

Noxious weed evaluation. See separate noxious weed evaluations conducted throughout the summer months (June - August).

Suggestions for management:	
Control locals as needed.	Maybe reseed wettend Species.
	"accessing regionists through the state will consent colors."
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Completed by: Date 8/20/13